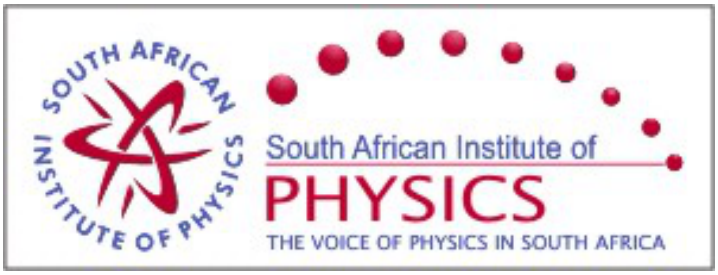

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MTR Reflector Modelling making use of Equivalence Theory

This research focuses on modelling reflectors in typical material testing reactors (MTRs). Equivalence theory is used to homogenise and collapse detailed transport solutions to generate equivalent nodal parameters and albedo boundary conditions, for subsequent use in full core diffusion codes. This study aims to determine if this approach to MTR reflector modelling is an accurate and plausible homogenisation technique for the modelling of small MTR cores.

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